Attachment 1

Calculation Assumptions

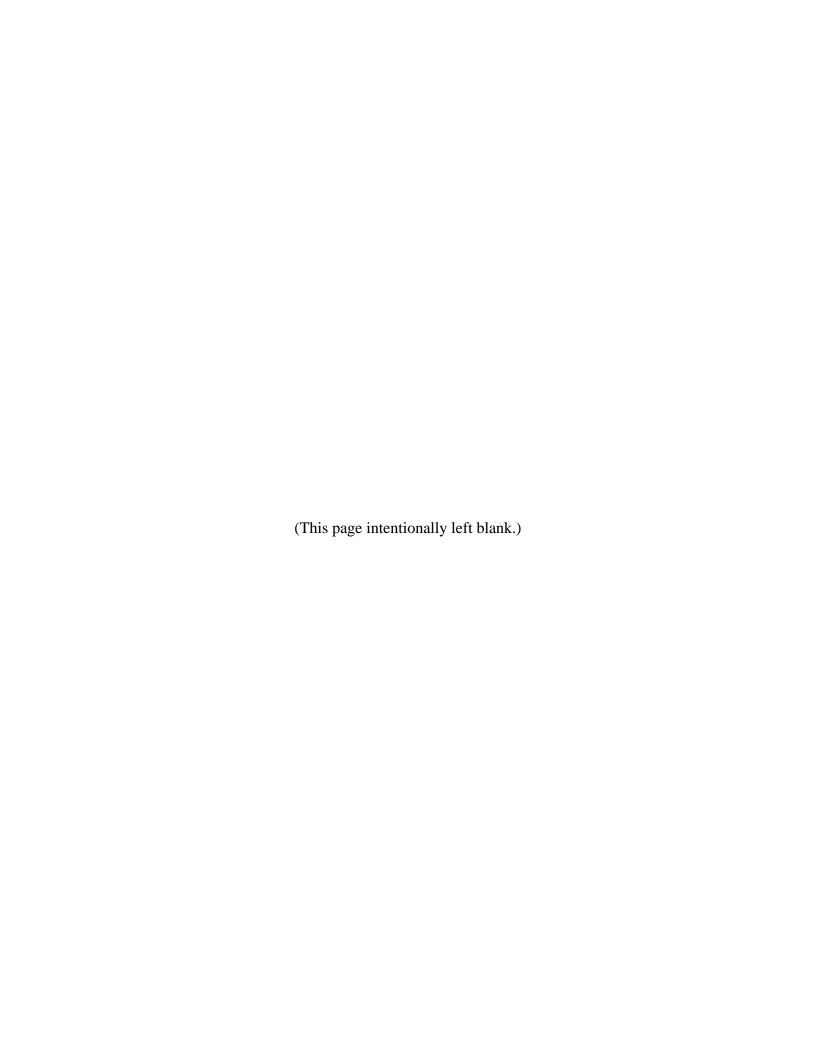
Container Storage Unit (Addition of 1 Unit)

Estimated maximum volume of waste to be stored:

- Largest Overpacked Munition is 155mm Projectile (1.10 gallons of HD + 0.03 gallons tetrytol)
- Maximum number of munitions to be stored in a storage igloo is 300 (per PCD RCRA Permit Renewal Application, June 2013)

Volume Capacity of Munitions in Storage

- = Number Munitions × Volume of Largest Munition
- = 300 munitions \times 1.13 gallons
- = 339 gallons



OMB# 2050-0024; Expires 12/31/2014

FO The	MPLETED RM TO: e Appropriate te or Regional		United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM												
1.	Reason for Submittal	Reason for Submittal: □ To provide an Initial Notification for this location)	(first time sub	mitting site identification info	rmation / to obtain an EPA	ID number									
E	MARK ALL BOX(ES) THAT APPLY	 ■ To provide a Subsequent Notification (to update site identification information for this location) □ As a component of a First RCRA Hazardous Waste Part A Permit Application □ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #) 													
		☐ As a component of the Hazardous Waste Report (If marked, see sub-bullet below)													
		☐ Site was a TSD facility and/ >100 kg of acute hazardous LQG regulations)	or generator on the second of	of ≥1,000 kg of hazardous wa eanup <u>in one or more month</u>	aste, >1 kg of acute hazard <u>ss</u> of the report year (or Sta	lous waste, or te equivalent									
2.	Site EPA ID Number	EPA ID Number C O 8 2 1	3 8 2	0 7 2 5											
3.	Site Name	Name: PUEBLO CHEMICAL DEPOT													
4.	Site Location	Street Address: 45825 HIGHWAY 96	EAST												
	Information	City, Town, or Village: PUEBLO	County: PUEBLO												
		State: COLORADO	Country: UN	NITED STATES	Zip Code : 81006-9330										
5.	Site Land Type	Private County Distr			lunicipal State	Other									
6.	NAICS Code(s)	A. 9 2 8 1 1	0	C											
	for the Site (at least 5-digit codes)	В		D											
7.	Site Mailing	Street or P.O. Box: 45825 HIGHWAY 96 EAST													
	Address	City, Town, or Village: PUEBLO													
		State: COLORADO	Country: UN	NITED STATES	Zip Code: 81006-9330										
8.	Site Contact	First Name: CHRISTOPHER	MI:	Last: PULSKAMP											
	Person	Title: CHIEF, ENVIRONMENTAL MA	NAGEMENT	T OFFICE											
		Street or P.O. Box: 45825 HIGHWAY	96 EAST												
		City, Town or Village: PUEBLO													
		State: COLORADO	Country: UN	NITED STATES	Zip Code : 81006-9330										
		Email: christopher.j.pulskamp.civ@ma	ail.mil												
		Phone: (719) 549-4252	Ext		Fax: (719) 549-4503										
9.	Legal Owner	A. Name of Site's Legal Owner: US A	RMY		Date Became 2013										
	and Operator of the Site	Owner Type: Private County	District	Federal Tribal	Municipal State	Other									
		Street or P.O. Box: 45825 HIGHWAY	96 EAST												
		City, Town, or Village: PUEBLO Phone: (719) 549-4252													
		State: COLORADO Country: UNITED STATES Zip Code: 81006-9330													
		B. Name of Site's Operator: Joint Proje	ect Manager E	limination (Provisional)	Date Became Operator: 2014										
		Operator Type: Private County	District	Federal Tribal	Municipal State	Other									

EPA ID Number CO	8 2 1 3 8 2 0 7 2 5	OMB#: 2050-0024; Expires <u>12/31/2014</u>
10. Type of Regulated Waste Mark "Yes" or "No" for a	e Activity (at your site) all <u>current</u> activities (as of the date submitting th	e form); complete any additional boxes as instructed.
A. Hazardous Waste Activit	ies; Complete all parts 1-10.	
	of Hazardous Waste ark only one of the following – a, b, or c.	Y N ✓ 5. Transporter of Hazardous Waste If "Yes", mark all that apply.
√ a. LQG:	Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.	a. Transporter b. Transfer Facility (at your site) Y ✓ N ☐ 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities. Y ☐ N ✓ 7. Recycler of Hazardous Waste
b. SQG:	100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-	
c. CESQG:	acute hazardous waste. Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste. other generator activities in 2-4.	Y N ✓ 8. Exempt Boiler and/or Industrial Furnace If "Yes", mark all that apply. a. Small Quantity On-site Burner Exemption
Y N 2. Short-Term 6 event and not	Generator (generate from a short-term or one-time from on-going processes). If "Yes", provide an the Comments section.	b. Smelting, Melting, and Refining Furnace Exemption
Y N ✓ 3. United State	s Importer of Hazardous Waste	Y N ✓ 9. Underground Injection Control
Y N 4. Mixed Waste	(hazardous and radioactive) Generator	Y N 10. Receives Hazardous Waste from Offsite
B. Universal Waste Activitie	es; Complete all parts 1-2.	C. Used Oil Activities; Complete all parts 1-4.
accumul regulatio types of	uantity Handler of Universal Waste (you late 5,000 kg or more) [refer to your State ons to determine what is regulated]. Indicate universal waste managed at your site. If "Yes", that apply.	Y N 1. Used Oil Transporter If "Yes", mark all that apply. a. Transporter b. Transfer Facility (at your site)
a. Batter	ies	Y N 2. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply.
b. Pestic	ides	a. Processor
	ıry containing equipment	
d. Lamps		b. Re-refiner
	(specify)	Y N ✓ 3. Off-Specification Used Oil Burner
	(specify) [] (specify) []	Y N 4. Used Oil Fuel Marketer
	ion Facility for Universal Waste hazardous waste permit may be required for this	If "Yes", mark all that apply. a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner b. Marketer Who First Claims the Used Oil Meets the Specifications

EPA ID Number	0 0 8 2	1 3 8 2 0	1 2 5	OMB7	7: 2050-0024; Exp	ires 12/31/2014
	lemic Entities with I uant to 40 CFR Part		ication for opting in	to or withdrawing fi	rom managing labo	ratory hazardous
 You car 	n ONLY Opt into Sub	part K if:				
agre		or university; or a no	e or university; a teac on-profit research inst			mal affiliation ation agreement with
• you	have checked with yo	our State to determin	e if 40 CFR Part 262	Subpart K is effective	e in your state	
			CFR Part 262 Subpa			
Па	a. College or Univers	ity				
□b	. Teaching Hospital	that is owned by or h	nas a formal written a	ffiliation agreement w	ith a college or unive	ersity
c	. Non-profit Institute	that is owned by or I	nas a formal written a	ffiliation agreement v	vith a college or unive	ersity
Y N 2. W	lithdrawing from 40 C	CFR Part 262 Subpar	t K for the manageme	ent of hazardous was	stes in laboratories	
11. Description of	of Hazardous Waste)				
	t them in the order th		astes. Please list the he regulations (e.g., l			
D001	D010	D043				
D002	D011					
D003	D022					
D004	D028					
D005	D029					
D006	D030					
D007	D034					
D008	D039					
D009	D040	SEE NOTE 1	SECTION 13			
	astes handled at your		Hazardous Wastes e order they are pres			
P909						
P910						
K901						
K902						

 EPA ID Number
 C | O | 8 | 2 | 1 | 3 | 8 | 2 | 0 | 7 | 2 | 5 |

12. Notification of Hazardous Secondary Materi	al (HSM) Activity	
	42 that you will begin managing, are managing 1.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)	
If "Yes", you <u>must</u> fill out the Addendomaterial.	um to the Site Identification Form: Notification f	or Managing Hazardous Secondary
13. Comments		
Section 1 Reason for Submittal:		
Addition of two (2) miscellaneous units (Explos	sive Destruction System) and one (1) stora	ge unit (Container Storage Unit).
NOTE 1:		
Waste Codes reflect wastes to be stored in one	e (1) storage unit (Container Storage Unit	[CSU H1102]), and treated in two (2)
Explosive Destruction System (EDS) Units.		
14. Certification. I certify under penalty of law that accordance with a system designed to assure to on my inquiry of the person or persons who may information submitted is, to the best of my known penalties for submitting false information, included Hazardous Waste Part A Permit Application, all	that qualified personnel properly gather and evenage the system, or those persons directly reswledge and belief, true, accurate, and completeding the possibility of fines and imprisonment for	aluate the information submitted. Based sponsible for gathering the information, the last last last last last last last last
Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
Tallen Han	Jeffrey L. Harris, Acting Joint Project Manager for Elimination (P)	10/15/2013
MIL	Lieutenant Colonel Michael S. Quinn. Commander PCD	10/22/2013
11/29		

		H <i>A</i>	٩R	DC										INFOR	•	cy ON FORM				
Facility Permit Contact	F	irst	: Na	me:	CH	IRIS	STC	PH	ER			М	l:	Last	Name: PL	JLSKAMP				
Comact	First Name: CHRISTOPHER MI: Contact Title: CHIEF, ENVIRONMENTAL MA												۱L	MANAGEI	MENT OF	FICE				
	F													Ext.:		Email: christopher.j.pulskamp.civ@ma				
2. Facility Permit Contact Mailing	S	Street or P.O. Box: 45825 HIGHWAY 96 EAS												AST						
Address	C	City,	To	wn,	or V	/illa	ge:	PU	EBL	0										
	S	State	e: C	OL	OR	ADO)													
	c	Cour	ntry	: U	NIT	ED	STA	ATE	S						Zip Code	e: 81006-9330				
3. Operator Mailing																				
Address and Telephone Number City, Town, or Village: ABERDEEN PROVING GROUND																				
	S	State	e: N	/AF	YLA	ANE)								Phone:	(410) 436-1083				
	State: MARYLAND Country: USA														Zip Code	e: 21010				
4. Facility Existence Date Facility Existence Date (mm/dd/yyyy): 2014																				
5. Other Environmental Permits																				
A. Facility Type (Enter code)	acility Type B. Permit Number														C. Description					
Р	С	0	9	5	Р	В	9	0	1					CLEAN	CLEAN AIR ACT (AIR QUALITY)					
R	С	0	0	4	-	0	7	-	0	1	-	0	1	RCRA RD&D PERMIT (PCAPP)						
N	С	0	0	0	3	4	6	7	3					CWA PE	CWA PERMIT					
E	0	4	Р	В	0	9	4	9	L					PCD AIF	R LAND D	EVELOPMENT PERMIT				
E	0	4	Р	В	0	8	2	2						PCAPP	CAA CON	NSTRUCTION PERMIT				
E	2	0	0	4	0	0	1							PCAPP	PUEBLO	COUNTY CD - PHASE 1				
E	2	0	0	4	0	0	2							PCAPP	PUEBLO	COUNTY CD - PHASE 2				
N C O R 1 0 0 0 F														-		ERAL PERMIT STORM WATER DISCHARGES ON ACTIVITIES				
E	В	1	0	7	5						PCAPP	AIR PERI	MIT							
E E S 1 0 4 1 8 3 1													PCAPP	SANITAR	Y SYSTEM SITE LOCATION					
E	2	0	0	1	0	0	8							PCAPP	PUEBLO	COUNTY CD				
6. Nature of Business:	This	s pe cella	ermit ane	mo ous	dific item	atio Is us	n ree sing	ques two	st ac ED	ldre S u	sses nits.	the Thi	e tre s m	eatment of o	chemical a	hemical agent munitions. gent munitions, DOT cylinders, and other sses the storage of these items in the				

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3

- A. <u>PROCESS CODE</u> Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 8.
- B. PROCESS DESIGN CAPACITY For each code entered in Item 7.A; enter the capacity of the process.
 - 1. <u>AMOUNT</u> Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
 - 2. <u>UNIT OF MEASURE</u> For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.
- C. PROCESS TOTAL NUMBER OF UNITS Enter the total number of units for each corresponding process code.

Process Code	Process	Process	e Unit of Measure for Design Capacity	Process Code	Proces		Appropriate Unit of Measure for Process Design Capacity				
	Disp	oosal		Tre	eatment (Continu	ed)	(for T81 – T94)				
D79	Underground Injection Well Disposal	Gallons; Liter Liters Per Da	rs; Gallons Per Day; or y	T81	Cement Kiln		Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour;				
D80	Landfill		ctares-meter; Acres; ;; Hectares; Cubic	T82	Lime Kiln		Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour;				
D81	Land Treatment	Acres or Hec	tares	T83	Aggregate Kiln		Kilograms Per Hour; or Million BTU Per Hour				
D82	Ocean Disposal	Gallons Per [Day or Liters Per Day	T84	Phosphate Kiln		1 Total				
D83	Surface Impoundment Disposal	Gallons; Liter Cubic Yards	rs; Cubic Meters; or	T85	Coke Oven						
D99	Other Disposal	Any Unit of M	leasure Listed Below	T86	Blast Furnace						
	Sto	rage		T87	Smelting, Meltin	g, or Refining	g Furnace				
S01	Container	Cubic Yards	rs; Cubic Meters; or	T88	Titanium Dioxide	e Chloride Ox	xidation Reactor				
S02	Tank Storage	Gallons; Liter Cubic Yards	rs; Cubic Meters; or	T89	Methane Reform	ning Furnace					
S03	Waste Pile	Cubic Yards	or Cubic Meters	T90	Pulping Liquor F	,					
S04	Surface Impoundment	Gallons; Liter Cubic Yards	rs; Cubic Meters; or	T91	Combustion Dev Sulfuric Acid	vice Used in t	the Recovery of Sulfur Values from Spent				
S05	Drip Pad	Hectares; or		T92	Halogen Acid Fu	ırnaces					
S06	Containment Building Storage	Cubic Yards	or Cubic Meters	T93	Other Industrial	Furnaces Lis	sted in 40 CFR 260.10				
S99	Other Storage		leasure Listed Below	T94	Containment Bu Treatment	ilding	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per				
	Treat	tment					Hour; BTU Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per				
T01	Tank Treatment		Day; Liters Per Day				Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per				
T02	Surface Impoundment	Gallons Per I	Day; Liters Per Day				Hour; or Million BTU Per Hour				
T03	Incinerator	Short Tons P	er Hour; Metric Tons			Miscellaneo	us (Subpart X)				
		Per Hour; Ga Per Hour; BT Per Hour; Sh	llons Per Hour; Liters Us Per Hour; Pounds ort Tons Per Day;	X01	Open Burning/O Detonation	pen	Any Unit of Measure Listed Below				
			er Hour; Gallons Per Tons Per Hour; or Per Hour	X02	Mechanical Prod	cessing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms				
T04	Other Treatment	Pounds Per H	Day; Liters Per Day; Hour; Short Tons Per ms Per Hour; Metric				Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day				
		Tons Per Day BTUs Per Ho	y; Short Tons Per Day; our; Gallons Per Day; ur; or Million BTU Per	X03	Thermal Unit		Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; or Million BTU				
T80	Boiler	Liters Per Ho	rs; Gallons Per Hour; ur; BTUs Per Hour; or	X04	Geologic Repos	itory	Per Hour Cubic Yards; Cubic Meters; Acre-feet;				
		Million BTU F	GI I IUUI	X99	Other Subpart X		Hectare-meter; Gallons; or Liters Any Unit of Measure Listed Below				
Unit of Me			Unit of Measure		Measure Code	Unit of Mea					
			Short Tons Per Hour				dsY				
	er Hour		Short Tons Per Day				ersC				
	er Day		Metric Tons Per Hour. Metric Tons Per Day				B				
	Hour		Pounds Per Hour								
	Day		Kilograms Per Hour			Hectare-meterF					
	<u> </u>		Million BTU Per Hour .			BTU Per H	ourl				

7. Process Codes and Design Capacities (Continued)

	Line		Proc		B. PROCESS DESIGN CAPAC	ITY	C. Process Total	For Official Use Only						
Number		(Fro	m list a		(1) Amount (Specify)	Number of Units		0. 0.	IIOIGI	030	O.IIIy			
Х	1	S 0 2 533.788 G		001										
	1	S	339		G*	001								
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
1	0													
1	1													
1	2				* See Attachment 1									
1	3													

Note: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the line sequentially, taking into account any lines that will be used for "other" process (i.e., D99, S99, T04, and X99) in Item 8.

8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)

Line Number		A. Process Code		0 - 1 -	B. PROCESS DESIGN CAPACITY		O Brown Total							
(Enter sequ with It	r #s in ence em 7)		ocess m list a		(1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units	For Official Use Only						
Х	2	Т	0	4	100.00	U	001							
		Χ	X 9 9 0.008164		S**	002								
					** See Attachment 2									

9. Description of Hazardous Wastes - Enter Information in the Sections on Form Page 5

- A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in Item 9.B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	Р	KILOGRAMS	K
TONS	Т	METRIC TONS	М

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

For non-listed waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- Enter the first two as described above.
- 2. Enter "000" in the extreme right box of Item 9.D(1).
- 3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.
- 2. PROCESS DESCRIPTION: If code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
- 2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.D.2 on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 9 (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line		A. EPA Hazardous Waste No.		B. Estimated Annual	C. Unit of Measure					D. PROCESSES											
Nun	nber	(Enter			Qty of Waste	(Enter code)		(1) PROCESS CODES (Enter Code)					(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))							
Х	1	K	0	5	4	900	Р	Т	0	3	D	8	0								
Х	2	D	0	0	2	400	Р	Т	0	3	D	8	0								
Х	3	D	0	0	1	100	Р	Т	0	3	D	8	0								
Х	4	D	0	0	2												Included With Above				

		Α.		lazard	ous	B. Estimated Annual	C. Unit of	al sheet(s) as necessary; number pages as 5a, etc.) D. PROCESSES								
Line Number		(e No. code)		Qty of Waste	Measure (Enter code)		(1) P	ROCI	ESS (CODE	S (En	(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))		
	1	D	0	0	1	2.971696	M*	Х	9	9						
	2	D	0	0	2											Included with Above
	3	D	0	0	3											Included with Above
	4	D	0	0	4											Included with Above
	5	D	0	0	5											Included with Above
	6	D	0	0	6											Included with Above
	7	D	0	0	7											Included with Above
	8	D	0	0	8											Included with Above
	9	D	0	0	9											Included with Above
1	0	D	0	1	0											Included with Above
1	1	D	0	1	1											Included with Above
1	2	D	0	2	2											Included with Above
1	3	D	0	2	8											Included with Above
1	4	D	0	2	9											Included with Above
1	5	D	0	3	0											Included with Above
1	6	D	0	3	4											Included with Above
1	7	D	0	3	9											Included with Above
1	8	D	0	4	0											Included with Above
1	9	D	0	4	3											Included with Above
2	0	Р	9	0	9											Included with Above
2	1	Р	9	1	0											Included with Above
2	2	K	9	0	1											Included with Above
2	3	K	9	0	2											Included with Above
2	4	D	0	0	1	339	G**									
2	5	D	0	0	2											Included with Above
2	6	D	0	0	3											Included with Above
2	7	D	0	0	4											Included with Above
2	8	D	0	0	5											Included with Above
2	9	D	0	0	6											Included with Above
3	0	D	0	0	7											Included with Above
3	1	D	0	0	8											Included with Above
3	2	D	0	0	9											Included with Above
3	3	D	0	1	0											Included with Above
3	4	D	0	1	1											Included with Above
3	5	D	0	2	2											Included with Above
3	6	D	0	2	8											Included with Above

		Α.		azard	ous	B. Estimated Annual	C. Unit of	D. PROCESSES								
Line Number		Waste No. (Enter code)				Qty of Waste	Measure (Enter code)	(1) PI	ROCI	ESS (ODE	S (Er		(2) PROCESS DESCRIPTION (If code is not entered in 9.D.1)		
3	7	D	0	2	9											Included with Above
3	8	D	0	3	0											Included with Above
3	9	D	0	3	4											Included with Above
4	0	D	0	3	9											Included with Above
4	1	D	0	4	0											Included with Above
4	2	D	0	4	3											Included with Above
4	3	Р	9	0	9											Included with Above
4	4	Р	9	1	0											Included with Above
4	5	K	9	0	1											Included with Above
4	6	K	9	0	2											Included with Above
																* Estimated annual quantit
																provided is metric tons per
																year TNT - equivalent
																explosive weight
																** Maximum quantity of
																waste to be stored in
																one (1) CSU
													l			

| C | O | 8 | 2 | 1 | 3 | 8 | 2 | 0 | 7 | 2 | 5 |

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10. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

11. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

12. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).

13. Comments

Section 7: Process Codes and Design Capacities

There will be one (1) Container Storage Unit (CSU) used to store liquid and solid waste. The CSU (H1102) will store overpacked munitions, Department of Transportation (DOT) cylinder(s), and other miscellaneous items (ignition cartridges, propellant) that contain mustard agent HD/HT, currently stored at PCD as well as any reject chemical agent munitions or contaminated bursters generated from the Pueblo Chemical Agent-Destruction Pilot Plant operations. The CSU will store these items pending treatment in the Explosive Destruction System (EDS) units. The storage equivalent for the CSU is 339 gallons, which allows up to 300 overpacked munitions to be stored in the CSU. See Attachment 1 for process design calculations.

Section 8: Other Processes

The treatment capacity of an EDS Phase 2 unit is 9.0 pounds net explosive weight per day. See Attachment 2 for process design calculations. Explosive shaped charges are used to detonate a munition burster (if present) and breach the munition wall exposing the chemical fill. A predetermined amount of reagent is added to treat the chemical fill and explosive residue. Agitation with heat (if required) follows. The spent reagent and treated residue are then removed from the Containment Vessel, containerized, and placed in a less than 90-day hazardous waste storage area for offsite disposition.

Section 9b: Estimated Annual Quantity of Waste

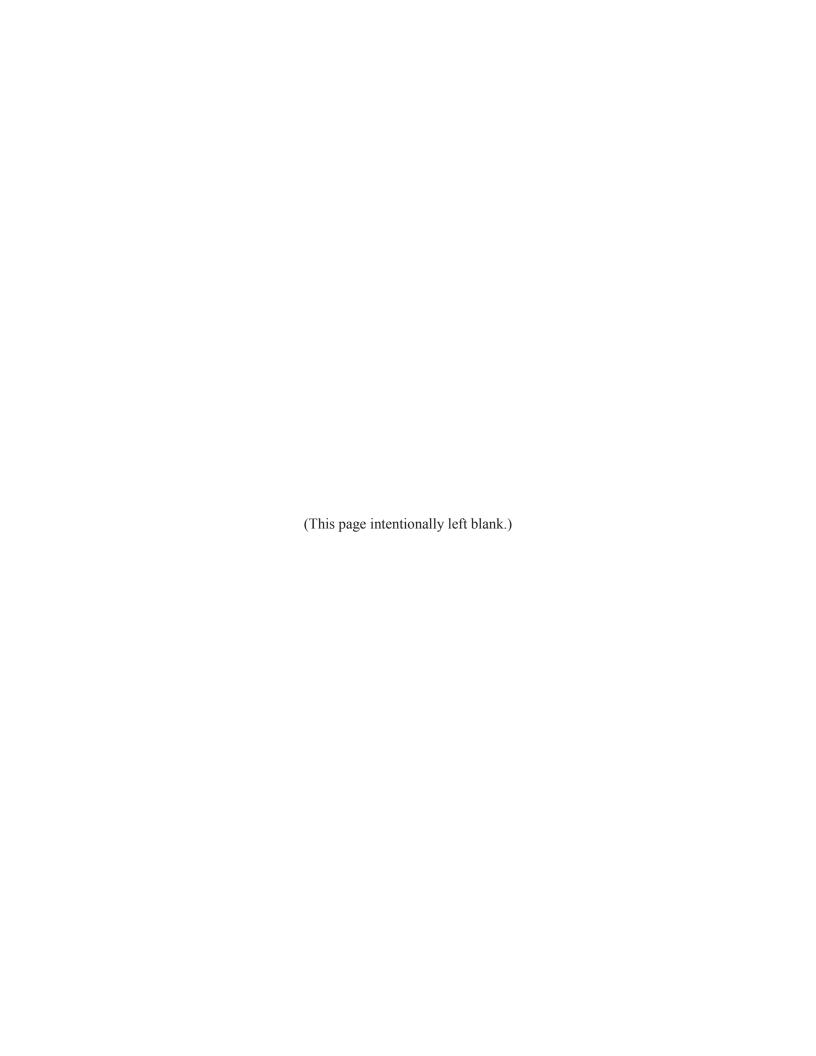
See Attachment 1 for Storage Unit (CSU) See Attachment 2 for EDS Process

Section 10: Map

See Topographical Map(s) referenced in Section B of the PCAPP EDS Permit Application.

Sections 11 and 12: Facility Drawing and Photographs

See Section B of the PCAPP EDS Permit Application.



Attachment 2

Explosive Destruction System (EDS) Process Design Calculation

Treatment using the EDS is a batch process where one or more items may be processed at a time. The maximum number of items that can be treated is based on the amount of explosives (burster and fuse) items contain and the amount of donor charge needed to access the items. At no time will the total net explosive weight (NEW) a limit of an EDS be exceeded.

Two EDS Phase 2 Units will be operated at the PCAPP EDS site. The EDS Phase 2 Unit is capable of safely withstanding a detonation of up to 9 pounds of TNT equivalent explosives. The following calculation represents the most plausible maximum treatment design capacity scenario.

Estimated annual quantity of waste treated in the EDS:

 $2 - \text{Phase 2 Vessels @ 9.0 lbs. NEW}^a = 0.008164 \text{ metric tons/day}$

•
$$\frac{0.008164 \text{ metric tons}}{\text{day}} \times \frac{7 \text{ days}}{1 \text{ week}} \times \frac{52 \text{ weeks}}{1 \text{ year}} = 2.971696 \text{ metric tons/year}$$

Note:

^a NEW = The actual weight (in pounds) of explosive mixtures or compounds, including the trinitrotoluene equivalent of energetic material that is used in determining explosive limits.

